

September 17, 2008

Mrs. Vickie L. Prather, Acting Supervisor Inventory & Data Management Section Frankfort Office Park 14 Reilly Road Frankfort, Kentucky 40601

Re:

KPDES No. KY0090590

Clarkson, Kentucky Wastewater Treatment Plant

Grayson County, Kentucky

Dear Mrs. Prather:

Enclosed are Permit Applications (Form 1 & A) as required by your letter to Mayor Bonnie Henderson dated July 30, 2008 requiring the City of Clarkson, Kentucky to file for a renewal of their KPDES Permit with will expire July 31, 2009 for the Clarkson, Kentucky Wastewater Treatment Plant.

Please review the enclosed information and if you have any questions or need additional information please call David Derrick or George Just at 502-636-9273 or Fax 502-636-9274 or E-mail derrickinc@bellsouth.net.

Very truly yours,

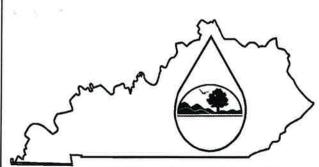
Derrick Engineering, Inc.

George Just, CET

cc: Bonnie Henderson, Mayor

File Re. #152001





KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

This is an application to: (check	c one)	A complete application consists of this form and one of the	3
Apply for a new permit.		following:	
Apply for reissuance of ex		Form A, Form B, Form C, Form F, or Form SC	
Apply for a construction p			
Modify an existing permit		For additional information contact:	
Give reason for modificat	tion under Item II.A.	KPDES Branch (502) 564-3410	
L FACILITY LOCATION AN	ND CONTACT INFORMATION	AGENCY	0
A. Name of Business, Municipal City of Clarkson, KY	ity, Company, Etc. Requesting Per	nit	
B. Facility Name and Location		C. Primary Mailing Address (all facility correspondence will be this address). Include owner's mailing address (if different) in D.	
Facility Location Name:		Facility Contact Name and Title: Mr. Ms.	
Clarkson WWTP		Bonnie Henderson, Mayor	
Facility Location Address (i.e. street, road	l, etc., not P.O. Box):	Mailing Address:	
Spring Street		106 Spring Street	
Facility Location City, State, Zip Code:		Mailing City, State, Zip Code:	
Clarkson, KY 42726		Clarkson, KY 42726	
D. Owner's name (if not the same as in pa	art A and C):	Facility Contact Telephone Number:	
		AEO A 40 COOF	
Owner's Mailing Address:		270-242-6997 Owner's Telephone Number (if different):	
Owner s Maning radioss.		Owner's receptione realmost (in differency.	
IL FACILITY DESCRIPTION	N .		
		on, Transportation and Discharge of Wastewater for the Cit	v of
Clarkson, Kentucky	ractivities, products, etc. Concent	on, Transportation and Discharge of Wastewater for the Cit	y OI
Ciarison, Ixontaony			
B. Standard Industrial Classifica	tion (SIC) Code and Description		
Principal SIC Code &			
Description:	N/A P.O.T.W. involved with the	collection and treatment of wastewater	
0.1 970 9 1	4952 Courses Cue	tame	
Other SIC Codes:	4952 Sewerage Sys	1ems	
III. FACILITY LOCATION			
	vey 7 ½ minute quadrangle map for	the site. (See instructions)	
B. County where facility is locate		City where facility is located (if applicable):	
Grayson		City where facility is located (if applicable).	
C. Body of water receiving discher Barton Run	arge:		
D. Facility Site Latitude (degrees 37 D 29' 22"	s, minutes, seconds):	Facility Site Longitude (degrees, minutes, seconds): 86 D 12' 39"	
E. Method used to obtain latitude	e & longitude (see instructions):	Topo Map USGS	
F. Facility Dun and Bradstreet N	umber (DUNS #) (if applicable):	-	

IV. OWNER/OPERATOR INFORMA	TION					
A. Type of Ownership: ☐ Privately Owned ☐	med ☐ State Owned ☐	Both Public and Priv	vate Owned Federally owned			
B. Operator Contact Information (See ins			rate Owned 1 ederally owned			
Name of Treatment Plant Operator:	STOCK ON STATE OF THE STATE OF	Telephone Number: 270-242-6997				
Leslie N. Harrison Operator Mailing Address (Street):		270-242-0997				
106 Spring Street						
Operator Mailing Address (City, State, Zip Code):						
Clarkson, Kentucky 42726 Is the operator also the owner?		Is the operator certified? If	yes, list certification class and number below.			
Yes ☐ No ⊠		Yes 🛛 No [
Certification Class:		Certification Number: 14427				
Class I		1442/				
V. EXISTING ENVIRONMENTAL PE			In the Date of the State of the			
Current NPDES Number:	Issue Date of Current Perm	uit:	Expiration Date of Current Permit:			
0090590	12-3-2004		7-31-2009			
Number of Times Permit Reissued:	Date of Original Permit Iss	uance:	Sludge Disposal Permit Number:			
	December 1989		N/A			
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit	Number(s):				
Which of the following additional enviror	mental permit/registrati	on categories will also	apply to this facility?			
CATEGORY	EXISTING PER	MIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE			
	EXISTINGTER	dviii wiiiiivo.	TEANNED AT Election DATE			
Air Emission Source						
Solid or Special Waste						
Hazardous Waste - Registration or Permit						
VI. DISCHARGE MONITORING REI	PORTS (DMRs)					
	s to specifically identify	the name and telephon	regular schedule (as defined by the KPDES the number of the DMR official and the DMR			
A. DMR Official (i.e., the department						
designated as responsible for submitti Division of Water):	ing DMK forms to the	City of Clarkson				
DMR Official Telephone Number:		City of Clarkson				
Bivit Official Telephone Tunicer.						
 B. DMR Mailing Address: Address the Division of Water wi Contact address if another individ 			ailing address in Section I.C), or s for you; e.g., contract laboratory address.			
DMR Mailing Name:	McCoy & McCoy					
DMR Mailing Address:	P.O. Box 907					
DMR Mailing City, State, Zip Code:	Madisonville, Kentucky	y 424 31				

Frank L

VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

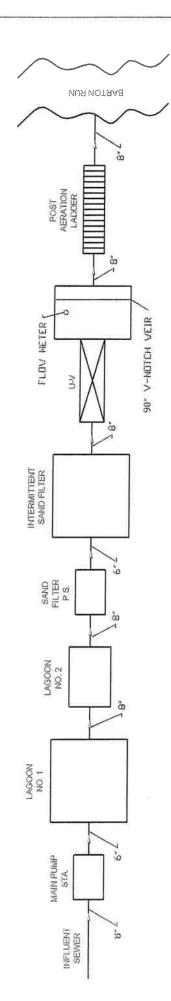
Facility Fee Category:	Filing Fee Enclosed:
Public Owned Treatment Works (No Fee Due)	N/A
VIII. CERTIFICATION	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):				
Mr. Ms. Ms. Bonnie Henderson, Mayor	270-242-6997				
SIGNATURE	DATE:				
x Bonnie J. Henderson	× 09-11-08				

Return completed application form and attachments to: KPDES Branch, Division of Water, Frankfort Office Park, 14 Reilly Road, Frankfort, KY 40601. Direct questions to: KPDES Branch at (502) 564-3410.

SCHEMATIC FLOW DIAGRAM CLARKSON, KENTUCKY 45,000 GPD WWTP LAGOONS **KPDES KY 0090590**



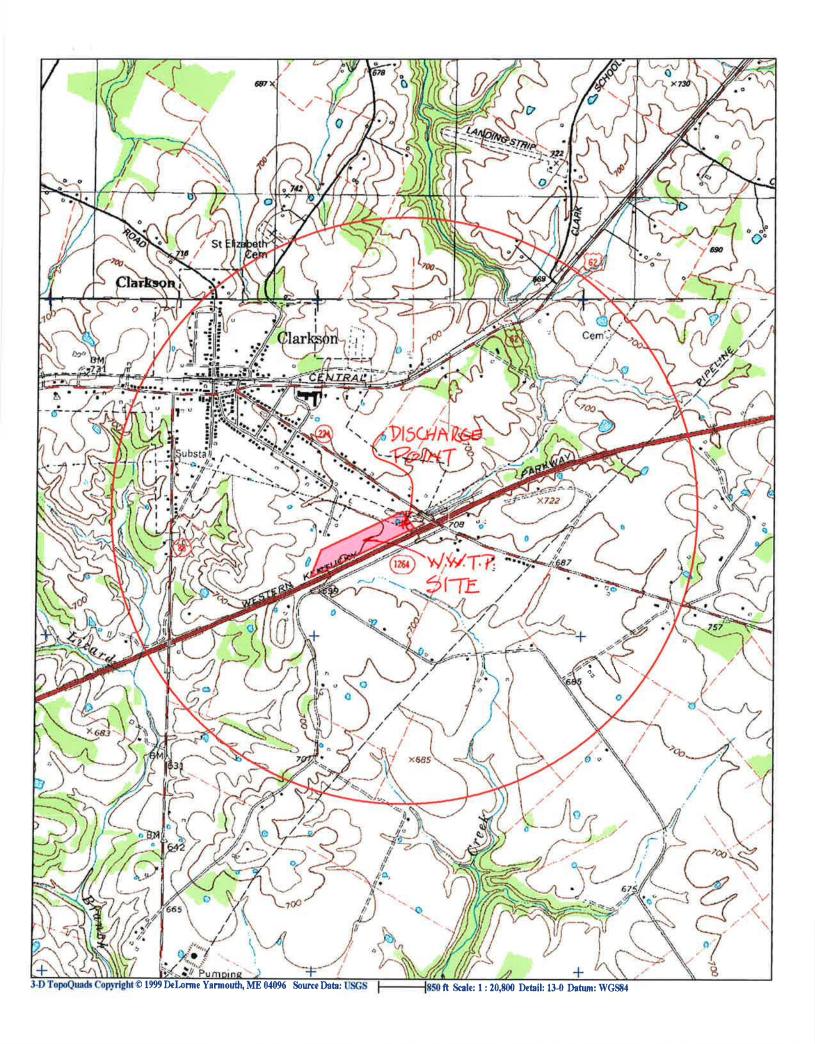
DERRICK ENGINEERING, INC. 1397 SOUTH THIRD STREET LOUISVILLE, KY 40208

#152

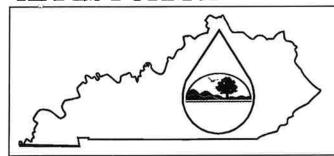
80-6

Process Flow Schematic Narrative Description Clarkson, Kentucky WWTP Lagoons KY 0090590 Outfall 001

Wastewater enters the main pump station through an 8" gravity sewer and then is pumped through a 6" FM to a 5 acre lagoon No. 1, after passing through lagoon No. 1 the flow then passes through a 1 acre lagoon No. 2, after passing through lagoon No. 2 the flow than passes to a sand filter pump station where it is pumped to a intermittent sand filter, after leaving the sand filter the flow pass through a U-V disinfection system after leaving the U-V system, the flow is measured and recorded, the flow than go to an aeration ladder than discharged to Barton Run.



KPDES FORM A



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, contact KPDES Branch (502) 564-3410.

	AGENCY	27	jt D	a	Λ	5	a	Λ
APPLICATION OVERVIEW	USE	U	V	, ji	U)		U

Form A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants. All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd. All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification. All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data. A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data. A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes. A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. Combined Sewer Systems. A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

BASIC APPLICATION INFORMATION PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS: All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet. A.1. Facility Information. Clarkson Wastewater Treatment Plant Facility name 106 Spring Street Mailing Address Clarkson, Kentucky 42726 Ms. Bonnie Henderson Contact person Mayor Title 270-242-6997 Telephone number 106 Spring Sreet Facility Address (not P.O. Box) Clarkson, Kentucky 42726 A.2. Applicant Information. If the applicant is different from the above, provide the following: Applicant name Mailing Address Contact person Title Telephone number is the applicant the owner or operator (or both) of the treatment works? x owner X operator Indicate whether correspondence regarding this permit should be directed to the facility or the applicant. facility Х _ Applicant Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits). NPDES 0090590 **PSD** UIC Other **RCRA** Other Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.). Name **Population Served** Type of Collection System **Ownership** City of Clarkson 764 Separate Municipal 764 Total population served _

ຈ.	Ind	lian Country.				
ı	а.	Is the treatment works located in Indian Cou	ntry?			
		YesXNo)			
	b.	Does the treatment works discharge to a rec through) Indian Country?	eiving water that is either in	n Indian Country or that is	upstream from (and	eventually flows
		YesXNo	•			
6.	dail	ow. Indicate the design flow rate of the treatm by flow rate and maximum daily flow rate for ea nth of "this year" occurring no more than three	ach of the last three years.	Each year's data must be	was built to handle). based on a 12-mon	. Also provide the average th time period with the 12tl
	a.	Design flow rate 0.045 mgd	2006	2007		2008
		ÿ ÿ	Two Years Ago	Last Year	This Yea	<u>ar</u>
	b.	Annual average daily flow rate	0.028	0.010	0.017	mgd
	C.	Maximum daily flow rate	0.036	0.046	0.046	mgd
		•				V
' .		llection System. Indicate the type(s) of colle tribution (by miles) of each.	ection system(s) used by th	he treatment plant. Check	all that apply. Also	estimate the percent
	х	Separate sanitary sewer			_100	%
	_	Combined storm and sanitary sewer				%
	_					
-	Dis	charges and Other Disposal Methods.				
	a.	Does the treatment works discharge effluent	to waters of the U.S.?		_X Yes	No
		If yes, list how many of each of the following	types of discharge points	the treatment works uses:		
		i. Discharges of treated effluent				ONE
		ii. Discharges of untreated or partially treat	ed effluent			N/A
		iii. Combined sewer overflow points				N/A
		iv. Constructed emergency overflows (prior	to the headworks)			N/A
		v. Other	<u>_</u> _			N/A
						X/
	b.	Does the treatment works discharge effluent do not have outlets for discharge to waters o		surface impoundments th	Yes	X No
		If yes, provide the following for each surface				·
		Location:				
		Annual average daily volume discharged to s	surface impoundment(s)			mgd
		Is discharge continuous or		nt?		
	C.	Does the treatment works land-apply treated	wastewater?		Yes	X No
		If yes, provide the following for each land app	olication site:			
		Location:				
		Number of acres:				
		Annual average daily volume applied to site:	S 	Mgd		
		Is land application continu	ous or inte	ermittent?		
	d.	Does the treatment works discharge or trans	port treated or untreated w	astewater to another		X

ii transport is by a part	y other than the applicant, provide:
Transporter name:	N/A
Mailing Address:	
Contact person:	
Title:	
Telephone number:	
Name: Mailing Address:	_N/A
Mailing Address.	
Contact person:	
Title:	
Telephone number:	
If known, provide the N	PDES permit number of the treatment works that receives this discharge.
Provide the average da	ily flow rate from the treatment works into the receiving facility.
	rks discharge or dispose of its wastewater in a manner not included in A.8.a X .g., underground percolation, well injection)? Yes No
If yes, provide the follow	wing for each disposal method:
	(including location and size of site(s) if applicable):

WASTEWATER DISCHARGES:

if you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

B, De					
, De	escription of Outfall.				
a.	Outfall number	001			
b.	Location	City of Clarkson, KY			2726
		(City or town, if applicable) Grayson			ip Code) entucky
		(County)		(5	State)
		37 degrees, 29', 22" (Letitude)	 		6 degrees, 12', 39"ongitude)
		,			,
C.	Distance from shore (if	applicable)	_N/A	— ft.	
d.	Depth below surface (if	applicable)	N/A	ft.	
•	Average daily flow rate		0.045	mgd	
е.	Average daily now rate		0.040	94	
f.	Does this outfall have ei	ither an intermittent or a periodic		X	
	discharge?		Yes		No (go to A.9.g.)
	If yes, provide the follow	ing information:			
	ii yes, provide the follow	mig information.			
	Number of times per ye	ar discharge occurs:			_
	Average duration of eac	-			
	Average flow per discha	_			
	Months in which discha	ige occurs.			
g.	Is outfall equipped with	a diffuser?	Yes	X	No
9.	io danian dialepaa mini				_
(A D-	econotion of Bossising	Matara			
IV. DE	escription of Receiving	rvalers.			
a.	Name of receiving water	Barton Run			
	-				
b.	Name of watershed (if k	mown)			
	United States Soil Cons	ervation Service 14-digit watershe	d code (if known):	0	
	Name of State Manager	ment/River Basin (if known):			
C.	INAMIE OF STATE MANAGER	nenuraver pasin (ii known).	-		
	United States Geologica	al Survey 8-digit hydrologic catalog	ing unit code (if known):		
		, J ,	• , ,		
d.	Critical low flow of recei	ving stream (if applicable):			
	acute	cfs	chronic	cfs	
	Total hardness of receiv	ring stream at critical low flow (if a	oplicable):	mg/l of Ca	1CO ₃
e.		· · · · · · · · · · · · · · · · · · ·			
e.					
e.					
e.					

A.11, De	scription of Tre	atment.								
a.	What levels of t	reatment are	provided? Ch	eck all that app	ly.					
	P	rimary	_>	K Seco	ndary					
	A	dvanced	_	Othe	r. Describe:					
b.	Indicate the follo	owing remov	al rates (as ap	plicable):						
	Design BOD ₅	removal <u>or</u> D	esign CBOD ₅	removal		_ 85	ř <u> </u>	%		
	Design SS rer	noval				_ 85		%		
	Design P remo	oval						%		
	Design N remo	oval				-		%		
	Other					-		%		
C.	What type of dis		used for the ef	fluent from this	outfall? If disinfed	ction varies by	season, plea	se describe.		
	If disinfection is	by chlorinat	ion, is dechlori	nation used for	this outfall?			Yes X	No	
d.	Does the treatm	ent plant hav	ve post aeratio	n?			_x`	res	No	
pa <u>dis</u> col CF	A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.									
Ou	tfall number:		001		-					
	PARAM	ETER		MAXIMUI	M DAILY VALUE	Ī		VERAGE DAILY \	/ALUE	
				Value	Units	- I - \	/alue	Units	Number of Samples	
pH (Minir	num)			7.2	s.u.					
pH (Maxi				7.9						
Flow Rate	9			0.036	MGD 0.0			MGD	All Year	
Tempera	ture (Winter)			0	С				3/31	
	ture (Summer)			25	С				3/31	
* F	or pH please repo	ort a minimur	MAXIM	num daily value UM DAILY HARGE	AVERAG	E DAILY DIS	CHARGE	ANALYTICAL	ML / MDL	
	Conc.			Units	Conc.	Units	Number of Samples			
CONVENT	TIONAL AND NO	NCONVEN	TIONAL COM	POUNDS.						
BIOCHEMI	CAL OXYGEN	BOD-5								
DEMAND (Report one)	CBOD-5	10	Mg I	10	Mg/I				
FECAL CO	LIFORM		36	N/100	36	N/100				
TOTAL SU	SPENDED SOLI	OS (TSS)	16.6	Mg/i	16.6	Mg/l				
REFE	R TO THE	APPLIC	CATION C	VERVIE	ND OF PAR N TO DETE MUST COM	RMINE	WHICH	OTHER PAR	RTS OF FORM A	

FORM "A"

.11. De	scription of Tre								
a.	What levels of	reatment are	provided? Ch	eck all that app	ly.				
	F	rimary	_>	Seco	ondary				
	^	dvanced	_	Othe	r. Describe:	(
b.	Indicate the foll	owing remov	al rates (as ap	plicable):					
	Design BOD ₅	removal <u>or</u> [Design CBOD _s	removal		85		%	
	Design SS rei	moval				_ 85		%	
	Design P rem	oval						%	
	Design N rem	oval						%	
	Other							%	
C.	What type of di U-V Disinfe		used for the ef	fluent from this	outfall? If disinfe	ection varies by	season, pleas	e describe.	
	If disinfection is	by chlorinal	ion. is dechlori	nation used for	this outfall?		Y	es X	No
	Does the treatn					,			 No
pai dis col CF mii	rameters. Provi scharged. Do no llected through R Part 136 and nimum, effluent	de the indic ot include in analysis co other appro	ated effluent nformation on enducted usin poriate QA/QC	testing requir combined se g 40 CFR Part requirements	ed by the permi wer overflows i : 136 methods. : for standard m	tting authority n this section In addition, th ethods for an	/ <u>for each out</u> . All informati iis data must ialytes not ad	nt testing data for fall through which on reported must comply with QA/G dressed by 40 CF four and one-half	<u>n effluent is</u> be based on data IC requirements of R Part 136. At a
pai dis col CF mii	rameters. Provi scharged. Do no llected through R Part 136 and	de the indic ot include in analysis co other appro testing dat	ated effluent nformation on enducted usin epriate QA/QC a must be bas	testing requir combined se g 40 CFR Part requirements sed on at leas	ed by the permi wer overflows i : 136 methods. : for standard m	tting authority n this section in addition, th ethods for an and must be	/ <u>for each out</u> . All informati is data must alytes not ad no more than	fall through which on reported must comply with QA/G dressed by 40 CF	n effluent is be based on data C requirements of R Part 136. At a great spears apart.
par dis col CF mir	rameters. Provi scharged. Do no llected through R Part 136 and nimum, effluent tfall number:	de the indic ot include in analysis co other appro testing dat	ated effluent nformation on enducted usin epriate QA/QC a must be bas	testing requir combined se g 40 CFR Part requirements sed on at leas	ed by the permi wer overflows i 136 methods. i for standard m t three samples	tting authority n this section in addition, th ethods for an and must be	/ <u>for each out</u> . All informati is data must alytes not ad no more than	fall through which on reported must comply with QA/G dressed by 40 CF four and one-hali	n effluent is be based on data C requirements of R Part 136. At a great spears apart.
pai dis col CF mii	rameters. Provi scharged. Do no llected through R Part 136 and nimum, effluent tfall number:	de the indic ot include in analysis co other appro testing dat	ated effluent nformation on enducted usin epriate QA/QC a must be bas	testing requir combined se g 40 CFR Part requirements sed on at leas	ed by the permi wer overflows i 136 methods. is for standard m t three samples M DAILY VALUE	tting authority n this section in addition, th ethods for an and must be	y <u>for each out</u> . All informati is data must ialytes not ad no more than	fall through which on reported must comply with QA/G dressed by 40 CF four and one-half	n effluent is be based on data C requirements of R Part 136. At a f years apart.
pai dis col CF mil Ou	rameters. Provischarged. Do no lected through R Part 136 and nimum, effluent tfall number: PARAN	de the indic ot include in analysis co other appro testing dat	ated effluent nformation on nducted usin priate QA/QC a must be bas	testing requir combined se g 40 CFR Pari requirements sed on at leas MAXIMU Value	ed by the permi wer overflows i 136 methods. i for standard m t three samples	tting authority n this section in addition, th ethods for an and must be	y <u>for each out</u> . All informati is data must ialytes not ad no more than	fall through which on reported must comply with QA/G dressed by 40 CF four and one-half	n effluent is be based on data C requirements of R Part 136. At a f years apart.
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pai dis col CF mil Ou I (Minir I (Maxi	rameters. Provischarged. Do no lected through R Part 136 and nimum, effluent tfall number: PARAN PARAN Mum)	de the indic t include in analysis co other appro testing dat	ated effluent nformation on nducted usin priate QA/QC a must be bas	testing required combined set of the combined	ed by the permi wer overflows i : 136 methods. is for standard m t three samples M DAILY VALUE Units s.u. s.u.	tting authority n this section in addition, th ethods for an and must be	y for each out. All informati is data must halytes not ad no more than A'	fall through which on reported must comply with QA/G dressed by 40 CF four and one-half VERAGE DAILY V Units	n effluent is be based on data IC requirements of R Part 136. At a f years apart. ALUE Number of Samp
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BA	\S	SIC APPLICATION INFORMATION
PA	RT	F B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).
Alla	pp	plicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).
B.1.	-	Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration. gpd Briefly explain any steps underway or planned to minimize inflow and infiltration.
	•	This was
B.2.	i	Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)
	ŧ	a. The area surrounding the treatment plant, including all unit processes.
	1	b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
	(c. Each well where wastewater from the treatment plant is injected underground.
	(d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
	•	e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
	Í	f. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.
B.3.	po de	Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup ower sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g, chlorination and lechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between reatment units. Include a brief narrative description of the diagram.
B.4.	0	Operation/Maintenance Performed by Contractor(s).
		are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a ontractor?YesNo
		yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if ecessary).
	N	lame:
	М	failing Address:
	T	elephone Number:
		desponsibilities of Contractor:
	pla se	cheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted lans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has everal different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to uestion B.6.)
	a.	List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.
	b.	Indicate whether the planned improvements or implementation schedule are required by local, <u>State</u> , or Federal agencies. YesNo

c	If the answer to B.	5.b is "Yes," briefly	describe, includ	ling new maximu	ım daily inflow ra	te (if applicable).		
d.	For improvements	osed by any compli planned independ accurately as possi	ently of local, Sta	r any actual date ite, or Federal aç	es of completion (gencies, indicate	for the implement planned or actual	ation steps listed below completion dates, as	w, as applicable. applicable.
			Schedule	A	Actual Completion	n		
	Implementation St	age	MM / DD /	YYYY M	M/DD/YYYY			
	- Begin constructi	on		_				
	- End construction	1						
	- Begin discharge				_//			
	- Attain operations	ıl level			_//			
е.	Have appropriate properties of the Describe briefly:		_		•	_	YesNo 	
B.6. EFFI	LUENT TESTING [DATA (GREATER	THAN O.1 MGI	ONLY).				
this date add and Out	section. All inform a must comply with	ation reported mus QA/QC requireme Part 136. At a min	t be based on dants of 40 CFR P imum, effluent to	ata collected thro art 136 and othe esting data must	ugh analysis con r appropriate QA	nducted using 40 /QC requirement east three polluta	rmation on combined : CFR Part 136 method s for standard method nt scans and must be	ls. In addition, this s for analytes not
		Conc.	Units	Conc.	Units	Number of Samples	ANALYTICAL METHOD	ML / MDL
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CHLORINE RESIDUAL								
DISSOLVE	D OXYGEN							
TOTAL KJ								
NITROGEI NITRATE I	N (TKN) PLUS NITRITE							
NITROGE	V							
OIL and GF	REASE							
PHOSPHO	RUS (Total)							
TOTAL DIS SOLIDS (T								
OTHER:								
			E	ND OF PA	ART B.			

END OF PART B.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

A YOU MUST COMPLETE

Fe Clypia **BASIC APPLICATION INFORMATION PART C. CERTIFICATION** All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted. Indicate which parts of Form 2A you have completed and are submitting: Basic Application Information packet Supplemental Application Information packet: Part D (Expanded Effluent Testing Data) Part E (Toxicity Testing: Biomonitoring Data) Part F (Industrial User Discharges and RCRA/CERCLA Wastes) Part G (Combined Sewer Systems) ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Name and official title Signature

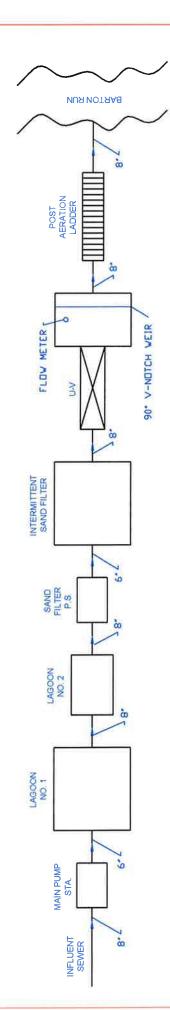
Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

Telephone number

Date signed

CLARKSON, KENTUCKY 45,000 GPD WMTP SCHEMATIC FLOW DIAGRAM **KPDES KY 0090590** LAGOONS



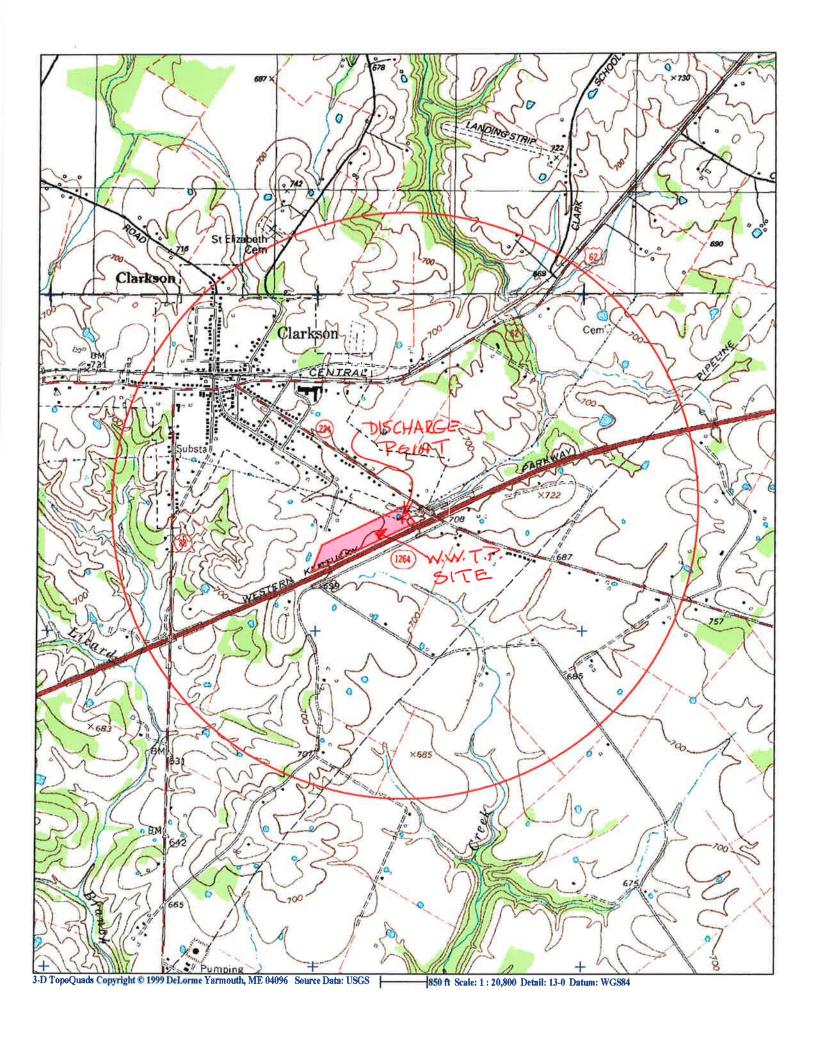
DERRICK ENGINEERING, INC. 1397 SOUTH THIRD STREET LOUISVILLE, KY 40208

#152

80-6

Process Flow Schematic Narrative Description Clarkson, Kentucky WWTP Lagoons KY 0090590 Outfall 001

Wastewater enters the main pump station through an 8" gravity sewer and then is pumped through a 6" FM to a 5 acre lagoon No. 1, after passing through lagoon No. 1 the flow then passes through a 1 acre lagoon No. 2, after passing through lagoon No. 2 the flow than passes to a sand filter pump station where it is pumped to a intermittent sand filter, after leaving the sand filter the flow pass through a U-V disinfection system after leaving the U-V system, the flow is measured and recorded, the flow than go to an aeration ladder than discharged to Barton Run.



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			AMMONIA NITROGEN	MG/L MAX	15.0	9.0	5.0	-	6.0	0.0	0.0	9.0	30.0	12.0	7.	-				-	_	
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-	5]		AMMONIA VITROGEN	MG/L AVG X	15.0	9.0	5.0	7.0	6.0	0.0	0.0	9.0	30.0	12.0	20	16.0		~		1		
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KY0090590 KPDES	PLANT NAME JAN-DEC 2006	REPORTING PERIOD		MONTH	JAN	FEB	MAR	APR	MAY	Z S	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	AVG		0	0.00	5

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on DATE	TOTAL SUSPENDED SOLIDS MG/L MAX 10:0	51.0	0.0	19.0	17.0	24.0	18.0	10.0		20.7
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0.045 BASE FLOW DATA PERMIT EXPIRATION DATE LEASE NAME & DOW #	TOTAL SOLIDS MG/L SOLIDS MG/L AVG 10.0	51.0	0.0	19.0	17.0	24.0	18.0	0.01		20.2
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	AMMONIA NITROGEN MG/L MAX 4.2	1.4		0.0	7.4	6.3	4.0	12)	6.4
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Ō	DAY DAY 0.043	0.0440	0.000	0.000	0.037	0.034	0.00	0.030	V	-5900
90 ON STP AME 2005 ING PER		0.040		0.000	_	0.034	-	0.030	1	-590°0 -590°0
KY0090590 KPDES CLARKSON STP PLANT NAME JAN-DEC 2005 REPORTING PERIOD	Į T	APR	N N	AUG	SEP	8		TATOL TATOL	AVG	1